



Rev. 07/01

## DECLARATION FOR PATENT APPLICATION

PATENT

Docket No. 49245/RRT/B600

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIGH SPEED DATA SERVICE VIA SATELLITE MODEM TERMINATION SYSTEM AND SATELLITE MODEMS, the specification of which is attached hereto unless the following is checked:

\_\_\_\_\_ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
---------------------------	--------------------

60/410,870	September 13, 2002
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60/448,588	February 20, 2003
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge that the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
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**DECLARATION FOR PATENT APPLICATION**

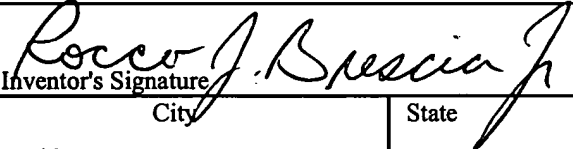
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**Docket No. 49245/RRT/B600**

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I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>NAME OF SOLE OR FIRST INVENTOR</b>			
Dorothy D. Lin			
Inventor's Signature 			Date 9/8/03
City Residence: Irvine	State California	Country USA	Citizenship US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF SECOND INVENTOR</b>			
Rocco J. Brescia Jr.			
Inventor's Signature 			Date 9-8-2003
City Residence: Newport Coast	State California	Country USA	Citizenship US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF THIRD INVENTOR</b>			
Jen-chieh Chien			
Inventor's Signature 			Date 9/8/03
City Residence: Lake Forest	State California	Country USA	Citizenship US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

DECLARATION FOR PATENT APPLICATION

Docket No. 49245/RRT/B600

NAME OF FOURTH INVENTOR

Adel F. Fanous

Inventor's Signature <i>Adel Fanous</i>			Date 9/8/03
City Residence: Irvine	State California	Country USA	Citizenship US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

NAME OF FIFTH INVENTOR

Alan Gin

Inventor's Signature <i>Alan Gin</i>			Date 9/8/2003
City Residence: Corona Del Mar	State California	Country USA	Citizenship US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

NAME OF SIXTH INVENTOR

Mark R. Dale

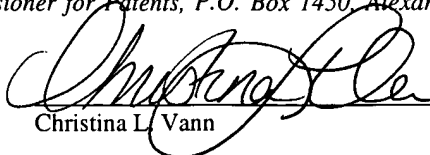
Inventor's Signature			Date
City Residence: Laguna Hills	State California	Country USA	Citizenship US
Mailing Address:	26962 Willow Tree Lane, Laguna Hills, California 92653		



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 5, 2004.*

  
Christina L. Vann

Applicant : Dorothy D. Lin, et al.  
Application No. : 10/661,648  
Filed : September 12, 2003  
Title : HIGH SPEED DATA SERVICE VIA SATELLITE MODEM  
TERMINATION SYSTEM AND SATELLITE MODEMS

Grp./Div. : 2661  
Examiner : To Be Assigned

Docket No. : 49245/RRT/B600

**PETITION UNDER 37 C.F.R. 1.47(a) AND MPEP 409.03(a) TO ACCEPT  
APPLICATION ON BEHALF OF UNCOOPERATIVE JOINT INVENTOR**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
January 5, 2004

Commissioner:

As attorney of record in the above-identified application (hereafter the "Application"), I hereby petition for acceptance, in response to the Notice to File Missing Parts dated December 9, 2003, the Declaration for Patent Application signed by inventors Dorothy D. Lin, Rocco J. Brescia JR., Jen-chieh Chien, Adel F. Fanous, and Alan Gin on behalf of themselves and a non-signing inventor, Mark R. Dale, who refuses to join in the Application.

In accordance with 37 CFR 1.47, this Petition is accompanied by the following:

1. Declaration for Patent Application signed by all available joint inventors with the signature block of the non-signing inventor left blank as required by 37 CFR 1.63 and 1.64. It is hereby requested that this Declaration be treated as having been signed by all the joint inventors on behalf of the non-signing inventor.

**Application No. 10/661,648**

2. Declaration by Raymond R. Tabandeh, attorney for Broadcom Corporation, attesting to the pertinent facts surrounding Mr. Dale's refusal to sign the Declaration for Patent Application.

3. A check in the amount of \$130.00 for payment of the petition fee required by 37 CFR 1.17(h) is enclosed. The Commissioner is hereby authorized to charge any fees associated with this communication, or credit any overpayment, to **Deposit Account No. 03-1728**.

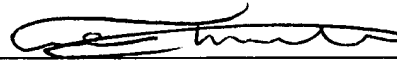
The name and last known address of the inventor is:

Mark R. Dale  
26962 Willow Tree Lane  
Laguna Hills, California 82653

As all requirements of 37 C.F.R. §1.47(a) have been met, Applicant respectfully requests the granting of this petition.

Date: January 5, 2004

By



Raymond R. Tabandeh  
Reg. No. 43,945  
626/795-9900

RRT/clv

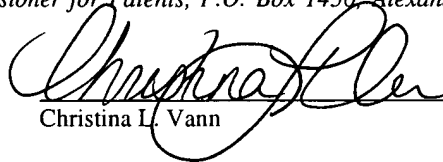
CLV PAS541683.1-\*01/5/04 12:27 PM



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 5, 2004.*

  
Christina L. Vann

Applicant : Dorothy D. Lin, et al.  
Application No. : 10/661,648  
Filed : September 12, 2003  
Title : HIGH SPEED DATA SERVICE VIA SATELLITE MODEM  
TERMINATION SYSTEM AND SATELLITE MODEMS  
Grp./Div. : 2661  
Examiner : To Be Assigned  
Docket No. : 49245/RRT/B600

**DECLARATION IN SUPPORT OF PETITION UNDER 37 C.F.R. 1.47(a)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
January 5, 2004

Commissioner:

I, Raymond R. Tabandeh, hereby declare:

1. I am an attorney assisting the patent counsel for Broadcom Corporation with the patent application identified above (hereafter "the application"). I have personal knowledge of the facts cited herein unless otherwise stated.
2. On September 5, 2003, I mailed a packet containing a copy of the Declaration of Mark R. Dale and an Assignment of the Application to Broadcom to Mr. Mark R. Dale at his last known residence address along with a cover letter.
3. Attached hereto as Exhibit A is a true and correct copy of the correspondence from me to Mr. Mark R. Dale, dated September 5, 2003, requesting that he review the application and sign and return the Declaration and Assignment.

**Application No. 10/661,648**

4. On September 19, 2003 I mailed a packet containing a copy of the Declaration of Mark R. Dale and an Assignment of the Application to Broadcom to Mr. Mark R. Dale at his last known residence address along with a cover letter via Certified Mail.

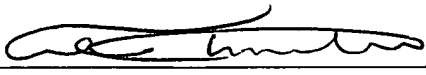
5. Attached hereto as Exhibit B is a true and correct copy of the correspondence from me to Mr. Mark R. Dale, dated September 19, 2003, requesting he review the filed application and sign and date the enclosed Declaration and Assignment.

6. On October 28, 2003, I received the Declaration packet mailed on September 19, 2003 to Mr. Dale from the U.S. Post Office marked as "UNCLAIMED".

7. As of the date of this Declaration, I have not received the executed Declaration from Mr. Dale.

I hereby declare that all statements made herein are of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: January 5, 2004

By   
Raymond R. Tabandeh, Declarant  
Reg. No. 43,945  
626/795-9900

RRT/clv

CLV PAS541647.1-\* -01/5/04 12:26 PM

September 5, 2003

Mark R. Dale, Ph.D.  
26962 Willow Tree Lane  
Laguna Hills, California 82653

**Re: Patent Application Entitled  
HIGH SPEED DATA SERVICE VIA SATELLITE MODEM  
TERMINATION SYSTEM AND SATELLITE MODEMS  
CPH Ref. B600:49245  
Your Ref. (BP2605)**

Dear Mark:

Enclosed is a patent application covering the above referenced matter.

Please be sure the application and drawings are carefully checked to ensure that the invention and the best way to implement the invention have been completely and accurately described. Failure to do so can result in refusal to grant a patent or patent invalidity. If there are any corrections or suggested changes, please call so we can discuss the revisions. Any necessary changes must be incorporated into the application prior to signature.

The enclosed notice describes the duty to submit all relevant known prior art with a patent application. Please be sure this notice is reviewed and contact me if there is prior art which should be called to the attention of the Patent Office.

If everything is in order, on the same date please date and sign (exactly as the name is typed) the following enclosed documents:

1. Declaration. The text at the top of this form must be reviewed to ensure that the statements made are correct. If omitted fill in inventor(s) citizenship on the Declaration.
2. Assignment. The document establishes Broadcom Corporation as the owner of the application and potential patent rights. The Assignment must bear the same signature date as the Declaration.

James B. Christie (1904-1959)  
Robert L. Parker (1920-1980)

D. Bruce Prout  
Richard J. Ward, Jr.  
Walter G. Maxwell  
William P. Christie  
David A. Dillard  
Thomas J. Daly  
Theodore A. Planko  
Edward R. Schwartz  
John D. Carpenter  
Wesley W. Monroe  
David A. Plumley  
Gregory S. Lampert  
Mark Garsda  
Syed A. Hasan  
Harold E. Wurst  
Robert A. Green  
Howard A. Kroll  
Richard A. Wallen  
Michael J. MacDermott  
Anne Wang  
Constantine Marantidis  
Daniel M. Cavanagh  
Daniel R. Kimbell  
Gary J. Nelson  
Kathleen M. Olster  
Josephine E. Chang  
Joel A. Kauth  
Patrick Y. Ikehara  
Charles R. Halloran  
Raymond R. Tabandeh  
Gary S. Dukarich  
Cynthia A. Bonner, Ph.D.  
Jun-Young E. Jeon  
Peter A. Nichols  
Stephen D. Burbach  
Brian K. Brookey  
Mark J. Marcelli  
David J. Steele  
John W. Peck, Ph.D.  
Brian L. Yates  
Tom H. Dao  
Frank L. Cire  
Rodney V. Warfford\*  
David J. Bailey\*\*  
Rose A. Hickman  
Ksenya Medvedev  
Oliver S. Bajracharya

**Of Counsel**  
R. William Johnston  
Hayden A. Carney  
Russell R. Palmer, Jr.  
LeRoy T. Rahn  
Richard D. Selbel  
Vincent G. Giola  
Richard J. Paculan\*\*\*

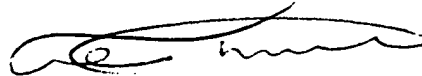
\*Admitted only in TX  
\*\*Admitted only in NY  
\*\*\*Admitted only in MA



Mark R. Dale  
September 5, 2003  
Page 2

Please return the application, the executed Declaration and Assignment to me, and they will be forwarded to the Patent and Trademark Office with the application for filing.

Sincerely yours,



Raymond R. Tabandeh

RRT/clv

cc: Dee Henderson (w/enclosures)

Enclosures: Notice re Disclosure of Prior Art  
Patent Application; Drawings  
Declaration  
Assignment

## **DISCLOSURE OF PRIOR ART TO THE UNITED STATES PATENT OFFICE**

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Applicants for patent protection of an invention have a duty to disclose to the U.S. Patent Office (PTO) all prior art known to the applicant which bears on patentability of the invention. "Prior art" means the state of background knowledge relevant to an invention, and is usually shown by publications such as books, technical journals, and issued patents (called "prior art patents"). Prior art also includes methods and apparatus known or used by others, put into public use or offered for sale. The attorney preparing the application should be made aware of all relevant prior art known to you so it can be reviewed and properly submitted.

The PTO makes an independent search for prior art to determine novelty and unobviousness of an invention for which patent protection is sought. There are practical limitations on the time and source materials available to an examiner in making this search, and the examiner may not become aware of relevant prior art known to the inventor. Patent applicants are accordingly expected to disclose known prior art which will assist examiners in determining patentability of their inventions.

Intentional failure to disclose known relevant prior art may result in a patent being declared unenforceable, and can have additional adverse consequences. An advantage of prompt voluntary disclosure is that the presumption of validity accorded an issued patent is strengthened by having the most relevant prior art of record with the PTO when the examiner considers the patent application.

Information on known prior art, including copies of prior art publications, should be submitted with the application, or within three months after the application filing date if possible. Prior art discovered after the application is filed but before the patent issues should also be submitted promptly.

The PTO states it will give no assurance that prior art will be considered and made of record if not submitted in accordance with the foregoing guidelines. Consequently, any resulting patent may be challenged with respect to improperly submitted, or not submitted, prior art.

Each inventor who signs a patent application should read and confirm the accuracy of the statements made in the "Declaration" text. These statements include representations that the inventor has carefully read the application, to the inventor's knowledge the invention is original and new, and a confirmation of the duty to disclose relevant prior art to the PTO. Any questions about these representations should be referred to the attorney preparing the application prior to signing the application.

Docket No. 49245/RRT/B600

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIGH SPEED DATA SERVICE VIA SATELLITE MODEM TERMINATION SYSTEM AND SATELLITE MODEMS, the specification of which is attached hereto unless the following is checked:

\_\_\_\_\_ was filed on \_\_\_\_ as United States Application Number or PCT International Application Number and was amended on \_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
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60/410,870	September 13, 2002
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60/448,588	February 20, 2003
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge that the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
---------------------------	--------------------	-----------------------------------

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**DECLARATION FOR PATENT APPLICATION****Docket No. 49245/RRT/B600**

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I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>NAME OF SOLE OR FIRST INVENTOR</b>			
Dorothy D. Lin			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Irvine	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF SECOND INVENTOR</b>			
Rocco J. Brescia Jr.			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Newport Coast	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF THIRD INVENTOR</b>			
Jen-chieh Chien			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Lake Forest	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

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**DECLARATION FOR PATENT APPLICATION**

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**Docket No. 49245/RRT/B600**

---

<b>NAME OF FOURTH INVENTOR</b>			
Adel F. Fanous			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Irvine	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF FIFTH INVENTOR</b>			
Alan Gin			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Corona Del Mar	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF SIXTH INVENTOR</b>			
Mark R. Dale			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Laguna Hills	California	USA	US
Mailing Address:	26962 Willow Tree Lane, Laguna Hills, California 92653		

CLV PAS524664.1-\* -09/5/03 1:16 PM  
CLV PAS524664.1-\* -09/5/03 12:00 PM

**ASSIGNMENT**

**I, one of the persons named below, hereby state and agree as follows:**

I have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled HIGH SPEED DATA SERVICE VIA SATELLITE MODEM TERMINATION SYSTEM AND SATELLITE MODEMS, executed by me on even date herewith, together with claim to the priority of United States Provisional Application Nos. 60/410,870, filed September 13, 2002 and 60/488,588, filed February 20, 2003;

**AND BROADCOM CORPORATION**, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND I HEREBY** covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

**AND I HEREBY** further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

Date: \_\_\_\_\_

\_\_\_\_\_  
Dorothy D. Lin

**ASSIGNMENT**  
**Docket No. 49245/RRT/B600**

Date: \_\_\_\_\_

\_\_\_\_\_  
Rocco J. Brescia Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
Jen-chieh Chien

Date: \_\_\_\_\_

\_\_\_\_\_  
Adel F. Fanous

Date: \_\_\_\_\_

\_\_\_\_\_  
Alan Gin

Date: \_\_\_\_\_

\_\_\_\_\_  
Mark R. Dale

RRT/clv

CLV PAS524650.1-\* -09/5/03 1:17 PM

September 19, 2003

**Via Certified Mail, Return Receipt Requested**

Mark R. Dale Ph.D.  
26962 Willow Tree Lane  
Laguna Hills, California 82653

**Re: U.S. Patent Application Entitled  
HIGH SPEED DATA SERVICE VIA SATELLITE MODEM  
TERMINATION SYSTEM AND SATELLITE MODEMS  
CPH Ref. B600:49245**

Dear Mark:

On September 5, 2003 we sent you a draft of the above-identified application and formal documents for review and signature, however, we have not received any reply back from you. We received all the other inventor's signatures and filed the application on September 12, 2003.

At this time, we enclose again a copy of the filed application and the following enclosed documents:

1. Declaration. This document has been reviewed and signed by the other inventors in this case.
2. Assignment. This document has also been reviewed and signed by the other inventors. The document establishes Broadcom Corporation as the owner of the application and potential rights.

We ask that you review both of these documents carefully. If everything is in order, on the same date please date and sign (exactly as your name is typed) the formal documents and return them to us by October 10, 2003.

Should you have any questions or comments, please feel free to contact me.

Sincerely yours,



Raymond R. Tabandeh

James B. Christie (1904-1959)  
Robert L. Parker (1920-1980)

D. Bruce Prout  
Richard J. Ward, Jr.  
Walter G. Maxwell  
William P. Christie  
David A. Dillard  
Thomas J. Daly  
Theodore A. Planko  
Edward R. Schwartz  
John D. Carpenter  
Wesley W. Monroe  
David A. Plumley  
Gregory S. Lampert  
Mark Garscia  
Syed A. Hasan  
Harold E. Wurst  
Robert A. Green  
Howard A. Kroll  
Richard A. Wallen  
Michael J. MacDermott  
Anne Wang  
Constantine Marantidis  
Daniel M. Cavanagh  
Daniel R. Kimbell  
Gary J. Nelson  
Kathleen M. Olster  
Josephine E. Chang  
Joel A. Kauth  
Patrick Y. Ikehara  
Charles R. Halloran  
Raymond R. Tabandeh  
Gary S. Dukarich  
Cynthia A. Bonner, Ph.D.  
Jun-Young E. Jeon  
Peter A. Nichols  
Stephen D. Burbach  
Brian K. Brookey  
David J. Steele  
John W. Peck, Ph.D.  
Brian L. Yates  
Tom H. Dao  
Frank L. Cire  
Rodney V. Warfford\*  
David J. Bailey\*\*  
Rose A. Hickman  
Ksenya Medvedev  
Oliver S. Bajracharya  
Collin T. Dorrian

**Of Counsel**

R. William Johnston  
Hayden A. Carney  
Russell R. Palmer, Jr.  
LeRoy T. Rahn  
Richard D. Seibel  
Vincent G. Gioia  
Richard J. Paculan\*\*\*

\*Admitted only in TX  
\*\*Admitted only in NY  
\*\*\*Admitted only in MA



ASSIGNMENT

I, one of the persons named below, hereby state and agree as follows:

I have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled HIGH SPEED DATA SERVICE VIA SATELLITE MODEM TERMINATION SYSTEM AND SATELLITE MODEMS, executed by me on even date herewith, together with claim to the priority of United States Provisional Application Nos. 60/410,870, filed September 13, 2002 and 60/488,588, filed February 20, 2003;

AND BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

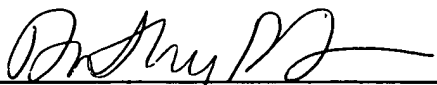
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

Date: \_\_\_\_\_

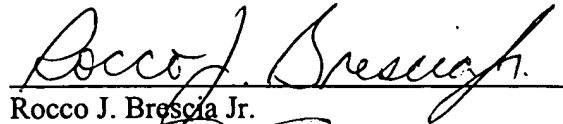
9/9/03

  
Dorothy D. Lin

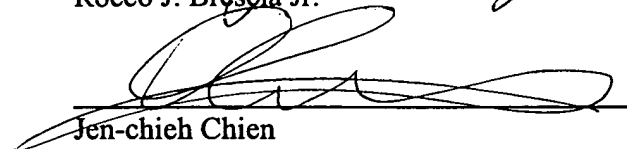
**ASSIGNMENT**

**Docket No. 49245/RRT/B600**

Date: 9-10-2003

  
Rocco J. Brescia Jr.

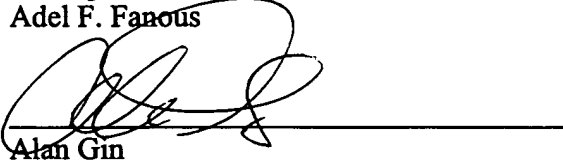
Date: 9/10/2003

  
Jen-chieh Chien

Date: 9/10/2003

  
Adel F. Fanous

Date: 9-10-2003

  
Alan Gin

Date: \_\_\_\_\_

\_\_\_\_\_  
Mark R. Dale

RRT/clv

CLV PAS524650.1-\* -09/10/03 1:52 PM

Docket No. 49245/RRT/B600

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIGH SPEED DATA SERVICE VIA SATELLITE MODEM TERMINATION SYSTEM AND SATELLITE MODEMS, the specification of which is attached hereto unless the following is checked:

\_\_\_\_\_ was filed on \_\_\_\_ as United States Application Number or PCT International Application Number and was amended on \_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
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60/410,870	September 13, 2002
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60/448,588	February 20, 2003
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge that the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.


<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
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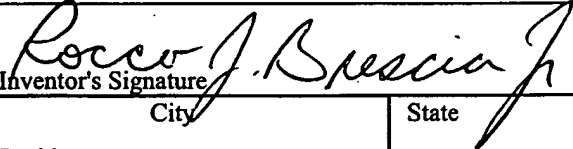
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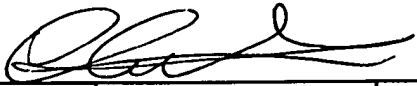
# DECLARATION FOR PATENT APPLICATION

Docket N . 49245/RRT/B600

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR			
Dorothy D. Lin			
Inventor's Signature 			Date 9/8/03
City	State	Country	Citizenship
Residence: Irvine	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

NAME OF SECOND INVENTOR			
Rocco J. Brescia Jr.			
Inventor's Signature 			Date 9-8-2003
City	State	Country	Citizenship
Residence: Newport Coast	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

NAME OF THIRD INVENTOR			
Jen-chieh Chien			
Inventor's Signature 			Date 9/8/03
City	State	Country	Citizenship
Residence: Lake Forest	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

DECLARATION FOR PATENT APPLICATION

Docket N . 49245/RRT/B600

<b>NAME OF FOURTH INVENTOR</b>			
Adel F. Fanous			
Inventor's Signature <i>Adel Fanous</i>			Date 9/8/03
City	State	Country	Citizenship
Residence: Irvine	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF FIFTH INVENTOR</b>			
Alan Gin <i>Alan Gin</i>			
Inventor's Signature <i>Alan Gin</i>			Date 9/8/2003
City	State	Country	Citizenship
Residence: Corona Del Mar	California	USA	US
Mailing Address:	16215 Alton Parkway, Irvine, California 92618		

<b>NAME OF SIXTH INVENTOR</b>			
Mark R. Dale			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Laguna Hills	California	USA	US
Mailing Address:	26962 Willow Tree Lane, Laguna Hills, California 92653		